

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No. 7,257,625	)	Serial No. 10/037,297
	)	
Inventor(s): Tao WU et al.	)	Filed: December 21, 2001
	)	
Issue Date: August 14, 2007	)	Attorney Docket No. 005288.00021
For: CACHE ON DEMAND		

**REQUEST FOR CERTIFICATE OF CORRECTION**

U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building, Mail Stop: Certificate of Correction Branch  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322, this is a request for the issuance of a Certificate of Correction in the above-identified patent. A copy of PTO Form 1050 is appended. The complete Certificate of Correction involves 1 page.

The mistakes identified in the appended Form occurred through no fault of the Applicants, as clearly disclosed by the records of the application, which matured into this patent. Enclosed for your convenience are the relevant portions of the Appeal Brief filed March 20, 2006 and the Examiner's Amendment in the Notice of Allowance mailed March 23, 2007.

Issuance of the Certificate of Correction containing the corrections is respectfully requested. Since these changes are necessitated through no fault of the Applicants, no fee is believed to be associated with this request. Nonetheless, should the Patent and Trademark Office determine that a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

Dated: June 11, 2008  
Banner & Witcoff, Ltd  
1100 13<sup>th</sup> Street, N.W., Suite 1200  
Washington, D.C. 20005-4051  
(202) 824-3000

By: /Bradley C. Wright/  
Bradley C. Wright  
Registration No. 38,061

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 7,257,625  
DATED: August 14, 2007  
INVENTOR(S): Tao WU et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 7, Claim 3, Line 8:  
Please replace "off" with --of a--

In Column 7, Claim 11, Line 34:  
Please replace "device" with --device a--

In Column 7, Claim 11, Line 53:  
Please replace "memo" with --memory--

In Column 7, Claim 12, Line 57:  
Please replace "muter" with --router--

In Column 8, Claim 14, Line 8:  
Please replace "deviCe" with --device--

In Column 8, Claim 20, Line 49:  
Please replace "muter" with --router--

Mailing Address of Sender:

Banner & Witcoff, Ltd.  
1100 13<sup>th</sup> Street, N.W., Suite 1200  
Washington, DC 20005-4051


U.S. PAT. NO 7,257,625

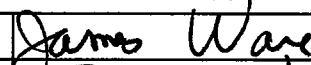
No. of add'l copies  
@ \$0.50 per page

□

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/037,297
		Filing Date	December 21, 2001
		First Named Inventor	Tao Wu
		Art Unit	2157
		Examiner Name	Emmanuel Coffy
Total Number of Pages in This Submission	30	Attorney Docket Number	005288.00021

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Cover Sheet Brief on Appeal
<b>Remarks</b> The Commissioner is hereby authorized to charge any deficiencies in payment or credit any overpayment to our Deposit Account 19-0733.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Banner & Witcoff, LTD.		
Signature			
Printed Name	Shawn P. Gorman		
Date	March 20, 2006	Reg. No.	56,197

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	James Ware	Date	March 20, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**  
(Attorney Docket No. 005288.00021)

In re U.S. Patent Application of	)	
Tao Wu, et al.	)	
	)	Confirmation No. 4505
Application No. 10/037,297	)	
	)	Group Art Unit: 2157
Filed: December 21, 2001	)	
	)	Examiner: Emmanuel Coffy
For: Cache On Demand	)	
	)	

**BRIEF ON APPEAL**

Mail Stop: Appeal Brief-Patents  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

This is an appeal brief in accordance with 37 CFR §1.192 filed in support of Applicant's January 11, 2006 Notice of Appeal. Appeal is taken from the Non-Final Office Action dated February 6, 2006. Please charge any necessary fees in connection with this appeal brief to our Deposit Account No. 19-0733.

**CLAIMS APPENDIX**

1. (Previously Presented) A method of transmitting requests and content at a cache computer, wherein a first computer device and a second computer device are coupled to the cache computer and the first computer device requests content from the second computer device; the method comprising the steps of:

(a) receiving a cache request from the second computer device; and

(b) receiving at the cache computer non-requested content from the second computer device, wherein the non-requested content is content other than content requested by the first computer device.

2. (Original) The method of claim 1, further including

(c) transmitting a cache invitation to the second computer device.

3. (Original) The method of claim 2, wherein the cache invitation is located within a header of a request for content.

4. (Original) The method of claim 1, wherein (a) comprises:

(d) receiving a request for cache memory space from the second computer.

5. (Previously Presented) The method of claim 4, wherein the request includes terms that have previously been agreed upon by the cache computer and the second computer device.

6. (Original) The method of claim 4, wherein the request comprise a fee for use of the cache memory space.

7. (Original) The method of claim 6, wherein the fee is a fee that will be paid by the second computer device.

8. (Original) The method of claim 4, wherein the request further includes a requested amount of cache memory space.

9. (Original) The method of claim 4, wherein the non-requested content comprises objects of a web page.

10. (Original) The method of claim 1, further including:

(c) receiving at the cache computer the identification of non-requested content.

11. (Original) The method of claim 10, wherein the identification of non-requested content comprises memory addresses of non-requested content.

12. (Original) The method of claim 10, in response to (c) further including:

(e) requesting the non-requested content from the second computer

13. (Original) A method of transmitting content from a first computer device to a second computer device, wherein the first computer device and the second computer device are coupled to a cache computer device, the method comprising the steps of:

- (a) receiving from the cache computer device, a request for content;
- (b) transmitting to the cache computer device the requested content;
- (c) transmitting to the cache computer device a request for use of a cache memory; and
- (d) after accepting terms for the use of the cache memory, transmitting to the cache computer device non-requested content, wherein the non-requested is content other than content requested by the cache computer device.

14. (Original) The method of claim 13, wherein the cache computer device comprises an access router coupled to an access network.

15. (Original) The method of claim 13, wherein the request in (c) comprises a proposed fee for use of the cache memory.

16 (Original) The method of claim 13, further including the steps of:

- (e) determining when the first computer device updates the non-requested content; and
- (f) transmitting updated non-requested content to the second computer device when the first computer device updates the non-requested content.

(b) receiving at the cache computer non-requested content from the second computer device, wherein the non-requested content is content other than content requested by the first computer device.

23. (Original) An access router coupled to a local computer and a website, the access router including a cache module configured to perform the steps comprising:

- (a) receiving a cache request from the website; and
- (b) receiving non-requested content from the website, wherein the non-requested is content other than content requested by the local computer.





# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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## NOTICE OF ALLOWANCE AND FEE(S) DUE

22907

7590

03/23/2007

BANNER & WITCOFF, LTD.  
1100 13th STREET, N.W.  
SUITE 1200  
WASHINGTON, DC 20005-4051

**RECEIVED**

**MAR 26 2007**

BANNER & WITCOFF, LTD.

EXAMINER	
EL CHANTI, HUSSEIN A	
ART UNIT	PAPER NUMBER

2157

DATE MAILED: 03/23/2007 ✓

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/037,297	12/21/2001	Tao Wu	05288.00021	4505
TITLE OF INVENTION: CACHE ON DEMAND				

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	06/25/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

#### I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

# Notice of Allowability

Application No.

10/037,297

Examiner

Hussein A. El-chanti

Applicant(s)

WU ET AL.

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/20/2007.
2. ☒ The allowed claim(s) is/are 1-3,5-7,9-16 and 18-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
ARIVETTE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

**Claim 7 (currently amended)** The method of claim 6, wherein the fee is a fee that will be paid by the second computer device.

**Claim 8:** canceled

**Claim 9 (currently amended)** The method of claim 41, wherein the non-requested content comprises objects of a web page.

**Claim 10 (currently amended)** The method of claim 1, further including:  
  
(g[[e]]) receiving at the cache computer the identification of non-requested content.

**Claim 12 (currently amended)** The method of claim 10, in response to (g[[c]]) further including:

(g[[e]]) requesting the non-requested content from the second computer

**Claim 13 (currently amended)** A method of transmitting content from a first computer device to a second computer device, wherein the first computer device and the second computer device are coupled to a cache computer device, the method comprising the steps of:

(a) receiving a request for content from the a cache computer device at the first computer device;

(b) transmitting to the cache computer device the requested content;

(c) receiving from the second computer device a prediction of non-requested content that the first computer device will request based on the content requested by the first device;

(d[[c]]) transmitting to the cache computer device a cache request from the second computer device ~~for use of a cache memory;~~ to cache the non-requested content on the cache computer wherein the cache request includes terms comprising an amount of cache memory requested to cache the non-requested content; and

(e) determining an amount of free space available on the cache computer wherein:

(f[[d]]) after accepting terms for the use of the cache memory, transmitting to the cache computer device the non-requested content, wherein the non-requested is content other than content requested by the cache computer device; wherein if the terms are not accepted, the second computer device is configured to receive a denial in response to the request for the use of the cache memory and the second computer device receives an amount of memory available to the second computer device.

**Claim 17:** canceled

**Claim 20 (currently amended)** The method of claim 13, further including the steps of:

~~(e) receiving a denial in response to the request for the use of the cache memory;~~